

ABSTRACT OF THE DISCLOSURE

1 In a communication network where multiple bus systems are
2 interconnected by a bus bridge, a first node attached to a first bus system
3 acquires a first channel for transmission of packets to a first multicast address
4 and broadcasts a first message pertaining to the first channel and the first
5 multicast address. A second node attached to a second bus system acquires a
6 second channel for transmission of packets to a second multicast address and
7 broadcasts a second message pertaining to the second channel and the second
8 multicast address. In response to receipt of the first and second messages, the
9 bus bridge establishes a connection between two channels respectively
10 identified by the received messages if the multicast addresses contained in
11 the received messages are equal to each other.